

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

What is claimed is:

1. A messaging system comprising:
 - a terminal sending a user identification information of
 - 5 a user using the terminal; and
 - a messaging server
 - holding content which corresponds to the user
 - identification
 - information of the user, and
 - 10 delivering the content on a receipt of the user
 - identification
 - information sent from the terminal.
2. The messaging system according to claim 1, wherein
 - 15 by wirelessly communicating with a wireless tag which is
 - carried by user and which stores user identification information
 - of the user, the terminal reads the user identification
 - information from the wireless tag and sends the read user
 - identification information to the messaging server.
- 20 3. The messaging system according to claim 2, wherein
 - the wireless tag further stores identification information
 - of the messaging server in addition to the user identification
 - information, and wherein
 - 25 the terminal reads identification information of the
 - messaging server from the wireless tag by wireless communication
 - and sends the user identification information to the messaging

server based on the read identification information of the messaging server.

4. The messaging system according to claim 2, wherein
5 the terminal reads the user identification information from the wireless tag by user operating a predetermined button provided on the terminal.

5. The messaging system according to claim 2, wherein
10 the terminal conducts wireless communication with the wireless tag at a predetermined period, reads the user identification information from the wireless tag and if newly read user identification information is different from previously read user identification information, sends the
15 newly read user identification information to the messaging server.

6. The messaging system according to claim 5, wherein
if the newly read user identification information is
20 different from the previously read user identification information, the terminal additionally reads the user identification information from the wireless tag one or more times at the predetermined period, and if all these read user identification information is the same, sends the user
25 identification information to the messaging server.

7. The messaging system according to claim 2, wherein

the terminal reads the user identification information from the wireless tag when the terminal is supplied with power.

8. The messaging system according to claim 2, wherein
5 the terminal wirelessly communicates with the wireless tag when the wireless tag is present within predetermined distance.

9. The messaging system according to claim 2, wherein
the terminal stores user identification information read
10 from the wireless tag, and after storing, reads the user identification information from the wireless tag at a predetermined period, and if read user identification information is different from stored user identification information or if the user identification information can not
15 be read from the wireless tag, deletes the stored user identification information, as well as requests the messaging server to delete the user identification information, and wherein

the messaging server deletes the user identification
20 information in response to the deletion request from the terminal.

10. The messaging system according to claim 2, wherein
the terminal stores user identification information read
25 from the wireless tag, and after storing, by user operating a predetermined button provided on the terminal, deletes the stored user identification information, as well as requests the

messaging server to delete the user identification information,
and wherein

the messaging server deletes the user identification
information in response to the deletion request from the
5 terminal.

11. The messaging system according to claim 2, wherein
the terminal stores user identification information read
from the wireless tag, and after storing, when the terminal is
10 turned off, deletes the stored user identification, as well as
requests the messaging server to delete the user identification
information, and wherein

the messaging server deletes the user identification
information in response to the deletion request from the
15 terminal.

12. The messaging system according to claim 1, wherein
the terminal stores in advance terminal identification
information and a terminal address of the terminal and sends
20 the stored terminal identification information and the terminal
address to the messaging server together with the user
identification information, and wherein

the messaging server registers the terminal identification
information and the terminal address related with the user
25 identification information and sends the content to the terminal
based on the terminal address.

13. The messaging system according to claim 12, wherein
if the terminal address is changed as a result of movement
of the terminal, the terminal sends to the messaging server the
changed terminal address together with the terminal

5 identification information, and wherein

the messaging server registers the changed terminal
address and the terminal identification information.

14. The messaging system according to claim 12, wherein

10 by wirelessly communicating with a wireless tag which is
carried by user and which stores user identification information
of the user, the terminal reads the user identification
information from the wireless tag and sends to the messaging
server the read user identification information together with
15 the terminal identification information and the terminal
address, and requests the messaging server to delete the
registration if a predetermined button provided on the terminal
is operated, if newly read user identification information is
different from previously read wireless information, if user
20 identification information can not be read, or if the terminal
is turned off, and wherein

the messaging server deletes the registration in response
to registration deletion request from the terminal.

25 15. The messaging system according to claim 1, wherein

the terminal stores a content format which can be output
by the terminal and sends the stored content format together

with the user identification information to the messaging server,
and wherein

if a format of the held content is different from the content
format sent from the terminal, the messaging server converts
5 the held content into the content format sent from the terminal
and delivers the converted content to the terminal.

16. The messaging system according to claim 1, wherein
the messaging server acquires the content from a content
10 server which holds contents.

17. The messaging system according to claim 16, wherein
the messaging server stores a delivery condition of the
content of the user and delivers to the terminal content which
15 satisfy the delivery condition out of the content acquired from
the content server.

18. The messaging system according to claim 16, wherein
the messaging server acquires the content from the content
20 server at a predetermined period, and if generated time or
updated time of newly acquired content is different from
generated time or updated time of the last acquired content,
delivers the newly acquired content to the terminal.

25 19. The messaging system according to claim 16, wherein
the messaging server acquires the content from the content
server at a predetermined period, and if details of newly

acquired content is different from details of the last acquired content, delivers the newly acquired content to the terminal.

20. The messaging system according to claim 16, wherein

5 the messaging server holds update property of the content, and acquires the content from the content server based on the update property.

21. The messaging system according to claim 1, wherein

10 the messaging server holds information which indicates whether the content corresponding to the user identification information is delivered to a single terminal or a plurality of terminals, and if the information indicates delivering to a plurality of terminals, sends the content to other terminals
15 except for the terminal.

22. The messaging system according to claim 1, wherein

 the messaging server receives second user identification information other than the user identification information

20 from a second terminal other than the terminal, and if the content corresponding to the user identification information is identical to the content corresponding to the second user identification information, delivers the content to the terminal and the second terminal.

25

23. The messaging system according to claim 1, wherein

 the messaging server holds delivery count of the content

to the terminal and charges the user based on the delivery count.

24. The messaging system according to claim 1, further comprising:

5 a messaging server address management server which holds an address or identification information of the messaging server corresponding to user identification information, receives user identification information sent from the terminal and sends to the terminal the address or identification information of the
10 messaging server corresponding to the received user identification information, wherein
the terminal sends the user identification information to the messaging server address management server and sends the user identification information to the messaging server based
15 on the address or identification information of the messaging server corresponding to the user identification information sent from the messaging server address management server.

25. A messaging server comprising:

20 a memory unit holding content which corresponds to a user identification information of a user to whom a content delivering service is provided;

a reception unit receiving user identification information sent from a terminal used by the user; and

25 a delivery unit reading out from the memory unit the content corresponding to the user identification information received by the reception unit and delivering the read content to the

terminal.

26. A terminal used by a user to whom a content delivery service is provided, and which receives delivered content, the terminal
5 comprising:

a transmission unit which transmits user identification information of the user using the terminal to a messaging server which delivers a content;

a reception unit which receives from the messaging server
10 the content corresponding to user identification information sent from the transmission unit; and

a processing unit which executes processes, including display, audio output or storage, for the content received by the reception unit.

15

27. The terminal according to claim 26, further comprising:

a read unit which wirelessly communicates with a wireless tag storing user identification information in advance, and reads the user identification information stored in the wireless

20 tag, wherein

the transmission unit transmits user identification information read by the read unit.

28. A messaging system comprising:

25 a terminal sending a user identification information of a user using the terminal;

a home agent address management server

holding an address or an identification information
which corresponds to the user identification, and
returning the address or the identification information
on

5 a receipt of the user identification information sent from
the terminal;

a content sending server sending out the content; and

a home agent server which is accessed by the terminal based
on the address or the identification information returned from

10 the home agent address management server,

receiving the content sent from the content sending server,
and

delivering the content to the terminal, which is
accommodated by the home agent server, on a receipt of the user
15 identification information sent from the terminal.

29. The messaging system according to claim 28, wherein

by wirelessly communicating with a wireless tag which is
carried by user and which stores user identification information

20 of the user, the terminal reads the user identification
information from the wireless tag and sends the read user
identification information to the home agent address management
server.

25 30. The messaging system according to claim 28, wherein

the content sending server holding content which
corresponds to the user identification information of the user,

sending the held user identification information to the home agent address management server, and sending the content corresponding to the user identification information to the home agent server, based on an address or identification information of the home agent server corresponding to the user identification information sent from the home agent address management server.

31. The messaging system according to claim 28, wherein the content sending server holding an address of a content server which holds content desired by the user wherein the address corresponds to the user identification information of the user, sending the held user identification information to the home agent address management server, and sending to the home agent server the content which is acquired from the address of the content server corresponding to the user identification information, based on the address or identification information of the home agent server corresponding to the user identification information sent from the home agent address management server.

32. The messaging system according to claim 28, wherein if the user identification information is a fixed address such that when the content is sent to the user identification information, the content is received by the home agent server accommodating the user, the content sending server sends the content to the user identification information, and wherein the home agent server forwards the content sent to the user

identification information to the terminal which has sent the user identification information.

33. The messaging system according to claim 28, wherein

5 if the user identification information is information other than the fixed address such that when the content is sent to the user identification information, the content is received by the home agent server accommodating the user,

the content sending server sends the content to the home agent server accommodating the user of the user identification information, and wherein

the home agent server forwards the content from the content sending server to the terminal which has sent the user identification information.

15

34. The messaging system according to claim 28, wherein

if a plurality of users desiring the same content are present and if the plurality of users are accommodated in the same home agent server,

20 the content sending server when sending the same content sets up in the content the user identification information of the plurality of users and send it to the home agent server, and wherein

the home agent server delivers the content to each terminal of the plurality of the user identification information which is set up in the content sent from the content sending server.

35. A terminal used by a user to whom content delivery service is provided, and which receives delivered content, the terminal comprising:

a first transmission unit which transmits user
5 identification information of the user using the terminal to a home agent server address management server which manages an address of a home agent server delivering a content;

a first reception unit which receives from the home agent
address management server an address or identification
10 information of the home agent server corresponding to the user identification information sent from the first transmission unit;

a second transmission unit which transmits the user
identification information to the home agent server based on
15 the address or identification information of the home agent server which is received by the first reception unit;

a second reception unit which receives from the home agent
server the content corresponding to the user identification
information sent from the second transmission unit; and

20 a processing unit which executes processes, including display, audio output or storage, for the content received by the second reception unit.

36. The terminal according to claim 35, further comprising:

25 a read unit which wirelessly communicates with a wireless tag storing user identification information in advance, and reads the user identification information stored in the wireless

tag, wherein

the first and second transmission units transmit user identification information read by the read unit.

5 37. A content sending server comprising:

a memory unit which stores user identification information of a user to whom content delivery service is provided and content which is desired by the user and which is related with the user identification information; and

10 a content sending unit which sends the content corresponding to the user identification information to a home agent server accommodating the user of the user identification information and sending the content desired by the user of the user identification information to the terminal that has sent
15 the user identification information.

38. The content sending server according to claim 37, further comprising:

a user identification information transmission unit which
20 transmits the user identification information to a home agent address management server which stores the user identification information and an address or identification information, which is related with the user identification information, of the home agent server accommodating user of the user identification
25 information; and

a reception unit which receives from the home agent address management server the address or identification information of

the home agent server corresponding to the user identification information sent from the user identification information transmission unit, wherein

the content sending unit sends the content to the home agent server, based on the address or identification information of the home agent server which is received by the reception unit.

39. A home agent server accommodating a user and which delivers content desired by the user to a terminal used by the user, the home agent server comprising:

a user identification information reception unit used by the user and which receives user identification information of the user sent from the terminal receiving the content;

a content reception unit which receives the content corresponding to the user identification information which is sent from a content sending server; and

a forwarding unit which forwards the content received by the content reception unit to the terminal.